

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
17 March 2005 (17.03.2005)

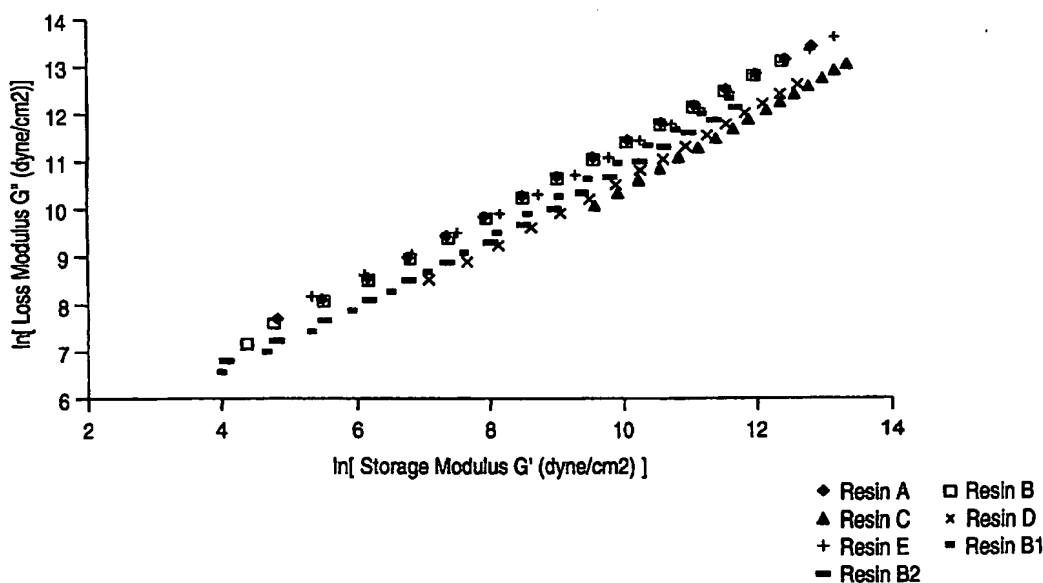
PCT

(10) International Publication Number  
**WO 2005/023912 A2**

- (51) International Patent Classification<sup>7</sup>: **C08J 5/18**,  
C08L 23/08
- (21) International Application Number:  
PCT/US2004/029124
- (22) International Filing Date:  
3 September 2004 (03.09.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/500,585 5 September 2003 (05.09.2003) US
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

[Continued on next page]

(54) Title: IMPROVED RESIN COMPOSITIONS FOR EXTRUSION COATING



(57) Abstract: A composition is disclosed which is particularly suited for use in extrusion coating. The composition comprises a polymeric material having a rheology such that the slope  $S$  of a natural log-natural log plot of loss modulus (or  $G''$ ) versus storage modulus (or  $G'$ ) is greater than  $[0.635 \cdot (\text{melt index}) + 13.2] / [(\text{melt index}) + 16.6]$ , and wherein the polymeric material has a CDF RI fraction less than 0.23 of a GPC chromatogram which has a molecular weight above 85,000 g/mol, and a CDF LS fraction of more than 0.07 at a conventional GPC molecular weight of 1,750,000 g/mol or greater. The compositions exhibit reduced neck-in when used in extrusion coating and the neck-in is independent of melt strength, thereby facilitating improved extrusion processes.



SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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**Published:**

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